

L Number	Hits	Search Text	DB	Time stamp
1	5	"6249822"	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/16 09:40
2	2	("6131126").PN.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/16 09:40
-	2	((("5386566") or ("5724588")).PN.	USPAT	2003/05/14 09:11
-	33	dcom with rpc	USPAT	2003/05/13 18:46
-	2	("6408342").PN.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/13 19:00
-	0	direct adj marshal\$4 same distribut\$4	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/13 19:00
-	1	direct adj marshal\$4	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/13 19:01
-	1	dma same dcom	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/13 19:02
-	20	virtual adj interface with transport	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/13 19:03
-	2	("5,329,619").PN.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/14 14:49
-	2	("6408342").PN.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/14 15:39
-	2	("5724588").PN.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/14 15:58
-	2	("6333929").PN.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/14 16:16
-	54	rpc adj runtime	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/14 16:24

-	2	rpc adj runtime same dcom	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/14 16:20
-	3	rpc with layer same dcom	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/14 16:18
-	0	bypass\$3 with dispatch\$3 with rpc	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/14 16:21
-	0	by adj pass\$3 with dispatch\$3 with rpc	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/14 16:21
-	1	remov\$3 with dispatch\$3 with rpc	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/14 16:22
-	6	rpc adj runtime with direct\$3	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/14 16:26
-	4	custom adj marshal\$4 same rpc	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/14 16:30
-	2	("6189048").PN.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/14 16:48
-	512	processor with ipc	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/14 16:48
-	2	("5329619").PN.	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/15 11:05
-	9	rpc with buffer with pointer	USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB	2003/05/15 11:07

IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE



Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore™
 RELEASE 1.4

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)
[Quick Links](#)

» 5

Welcome to IEEE Xplore™

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account

Print Format

Your search matched **4** of **803722** documents.Results are shown **25** to a page, sorted by **publication year** in **descending** order.

You may refine your search by editing the current search expression or entering a new one the text box. Then click **Search Again**.

Results:
Journal or Magazine = **JNL** Conference = **CNF** Standard = **STD**
1 A model of completion queue mechanisms using the virtual interface
Patel, N.; Sivaraman, H.

Cluster Computing, 2000. Proceedings. IEEE International Conference on , 2000.
 Page(s): 280 -288

[\[Abstract\]](#) [\[PDF Full-Text \(716 KB\)\]](#) **CNF**
2 Proposing a mechanism for reliably locking VIA communication mechanism in Linux
Seifert, F.; Rehm, W.

Cluster Computing, 2000. Proceedings. IEEE International Conference on , 2000.
 Page(s): 225 -232

[\[Abstract\]](#) [\[PDF Full-Text \(624 KB\)\]](#) **CNF**
3 Smart Cluster Network (SCnet): design of high performance communication system for SAN
Ogawa, N.; Kurosawa, T.; Tachino, N.; Savva, A.; Fukui, K.; Kishimoto, M.

Cluster Computing, 1999. Proceedings. 1st IEEE Computer Society International Workshop on , 1999.
 Page(s): 71 -80

[\[Abstract\]](#) [\[PDF Full-Text \(60 KB\)\]](#) **CNF**
4 CrispORB: high performance CORBA for system area network
Ishizaki, T.; Saeki, T.; Ishizaki, T.; Kishimoto, M.

High Performance Distributed Computing, 1999. Proceedings. The Eighth International Symposium on , 1999.

Page(s): 11 -18

[\[Abstract\]](#) [\[PDF Full-Text \(592 KB\)\]](#) **CNF**

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#)
[Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#)
[No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2002 IEEE — All rights reserved

Alternate document: [Details](#) **Software Components with Retrospectors (98)** Chang Liu Debra Richardson Information Computer Science Information Computer Science

A Software Architecture for Zero-Copy RPC in Java
(1998) [\(Make Corrections\)](#) [\(2 citations\)](#)
 Chi-Chao Chang, Thorsten von Eicken

CiteSeer
Electronic Library of Computer Science

[Home/Search](#) [Bookmark](#) [Context](#) [Related](#)

View or download:

cornell.edu/home/chichao/tr1708.ps

cornell.edu/home/chichao/tr1708.ps

cornell.edu/info/people/chichao/tr1708.ps

Cached: [PS.gz](#) [PS](#) [PDF](#) [DjVu](#) [Image](#) [Update](#) [Help](#)

From: cornell.edu/home/chichao/papers [\(more\)](#)

From: cornell.edu/home/chichao/papers

Homepages: [C.Chang](#) [\[2\]](#) [\[3\]](#) [\[4\]](#) [HPSearch](#) [\(Update Links\)](#)

[\(Enter summary\)](#)

Rate this article: 1 2 3 4 5 (be
[Comment on this article](#))

Abstract: RPC has established itself as one of the more powerful communication paradigms for distributed computing. In recent years, object-oriented languages have impacted RPC semantics, with a number of variants providing remote method invocation and various forms of distributed object systems. At the same time, performance has changed little with the bottleneck being the network transport, in particular the in-kernel protocol implementations. This paper describes J-RPC, an RPC architecture that... [\(Update\)](#)

Context of citations to this paper: [More](#)

...the runtime DLLs. Figure 1 suggests several approaches to run DCOM over VIA with different tradeoffs. The custom marshaling approach [C98][Ma98] uses a custom marshaling layer to run DCOM applications directly on VIA, bypassing all runtime support from DCOM and RPC. This...

.... and Peterson 1996] Several projects are currently also studying protected user level network access from Java, often using VIA [Chang and von Eicken 1998; Chang and von Eicken 1999; Welsh and Culler 2000] However, these systems not yet support Remote Method Invocation....

Cited by: [More](#)

Efficient Java RMI for Parallel Programming - Maassen, van Nieuwpoort.. (2000) [\(Correct\)](#)

High-Performance Distributed Objects over System Area Networks - Alessandro Forin Galen [\(Correct\)](#)

Active bibliography (related documents): [More](#) [All](#)

1.0: Interfacing Java to the Virtual Interface Architecture - Chang, von Eicken (1999) [\(Correct\)](#)

0.5: Laws for Dynamic Systems - Henderson (1998) [\(Correct\)](#)

0.5: Operating and Window Systems will never strike.. - Fricke.. (2000) [\(Correct\)](#)

Similar documents based on text: [More](#) [All](#)

0.6: The Optimistic Direct Access File System: Design and Network.. - Magoutis [\(Correct\)](#)

0.2: Resource Management for Extensible Internet Servers - Czajkowski, Chang.. [\(Correct\)](#)

0.1: Low-Latency Communication on the IBM RISC System/6000 SP - Chang, Czajkowski.. (1996) [\(Correct\)](#)

BibTeX entry: [\(Update\)](#)

C.-C. Chang and T. von Eicken, "A Software Architecture for Zero-Copy RPC in Java," Cornell CS Technical Report 981708, Sep. 1998. <http://citeseer.nj.nec.com/chang98software.html> [More](#)

```
@techreport{ chang98software,
  author = "Chi-Chao Chang and Thorsten von Eicken",
  title = "A Software Architecture for Zero-Copy {RPC} in Java",
  number = "TR98-1708",
  month = "6",
  pages = "0",
  year = "1998",
  url = "citeseer.nj.nec.com/chang98software.html" }
```

Citations (may not include all citations):

414 Implementing Remote Procedure Calls - Birrell, Nelson - 1984

363 Fine-grained mobility in the Emerald system - Jul, Levy et al. - 1988

248 High Performance Messaging on Workstations: Illinois Fast Me.. - Pakin, Lauria et al. - 1995

229 Orca: A Language for Parallel Programming of Distributed Sys.. - Bal, Kaashoek et al. - 1992

gh egh e e ce e cne e h n e ne

- 169 Net: A User-level Network Interface for Parallel and Distrib.. (context) - von Eicken, Basu et al. - 1995
- 136 Experiences with the Amoeba distributed operating system - Tanenbaum, van Renesse et al. - 1990
- 78 SOS: An object-oriented operating system: assessment and per.. - Shapiro, Gourhant et al. - 1989
- 68 Performance of Firefly RPC - Schroeder, Burrows - 1990
- 66 RPC: Remote Procedure Call Protocol Specification Version (context) - Microsystems
- 51 Concert - Efficient Runtime Support for Concurrent Object-O.. - Karamcheti, Chien - 1993
- 44 Inside Distributed COM (context) - Eddon, Eddon - 1998
- 41 Virtual Network Transport Protocols for Myrinet - Chun, Mainwaring et al. - 1998
- 39 The Peregrine high performance RPC system - Johnson, Zwaenepoel - 1991
- 39 Implementation of Argus (context) - Liskov, Curtis et al. - 1987
- 23 Network Objects (context) - Birrel, Nelson et al. - 1993
- 18 Distributed Garbage Collection for Network Objects - Birrell, Evers et al. - 1994
- 13 Fast RPC on the SHRIMP Virtual Memory Mapped Network Interfa.. - Bilas, Felten - 1996
- 4 Shrimp Project Update: Myrinet Communication (context) - Dubnicki, Bilas et al. - 1998
- 4 MRPC: A High Performance RPC System for MPMD Parallel Comput.. - Chang, Czajkowski et al.
- 3 Understanding the DCOM Wire Protocol by Analyzing Network Da.. (context) - Eddon, Eddon - 1998
- 3 Harnessing User-Level Networking Architectures for Distribut.. (context) - Sankaran, Pu et al. - 1998
- 2 giga-net (context) - Inc, www
- 1 The Spring network operating system (context) - Ousterhout, Cherenon et al. - 1988

Documents on the same site (<http://simon.cs.cornell.edu/home/chichao/papers.htm>): [More](#)

Security versus Performance Tradeoffs in RPC.. - Chang.. [\(Correct\)](#)

Resource Management for Extensible Internet Servers - Czajkowski, Chang.. [\(Correct\)](#)

Interfacing Java to the Virtual Interface Architecture - Chang, von Eicken (1999) [\(Correct\)](#)

Find:

Documents

Citations

Searching for **dcom and vi architecture**.Restrict to: [Header](#) [Title](#) Order by: [Citations](#) [Hubs](#) [Usage](#) [Date](#) Try: [Amazon](#) [B&N](#) [Google \(RI\)](#) [Google \(Web\)](#) [CSB](#) [DBLP](#)4 documents found. **Order: citations weighted by year.**

The Following Paper Was Originally Published in the - Seattle Washington August (Correct)
 system such as Distributed Component Object Model (DCOM) 5, 7]legacy transport protocols used for
 architecture such as Virtual Interface (VI) Architecture [8, 18]this performance bottleneck can be
 is drawn in Section 7. 2. Virtual Interface Architecture VI Architecture is a user-level networking
www.usenix.org/publications/library/proceedings/usenix-nt98/full_papers/madukkarum/madukkarum.pdf

An Analysis of VI Architecture Primitives in Support.. - Begel, Buonadonna.. (2002) (Correct)
 of layering the distributed component object model (DCOM) protocol (essentially an extension of RPC) over
 An Analysis of VI Architecture Primitives in Support of Parallel and
 for implementing the virtual interface architecture (via)In Proceedings of CANPC 2000, Toulouse,
www.cs.berkeley.edu/~philipb/papers/split-c.pdf

High-Performance Distributed Objects over System Area Networks - Alessandro Forin Galen (Correct)
 and Microsoft's Distributed Component Object Model (DCOM)We give a detailed functional and performance
www.research.microsoft.com/~ymwang/vita/./papers/MillenniumFalcon.ps

Try your query at: [Amazon](#) [Barnes & Noble](#) [Google \(RI\)](#) [Google \(Web\)](#) [CSB](#) [DBLP](#)CiteSeer - citeseer.org - [Terms of Service](#) - [Privacy Policy](#) - Copyright © 1997-2002 NEC Research Institute



[> home](#) [> about](#) [> feedback](#) [> logout](#)

US Patent & Trademark Office

Search Results

Search Results for: [**VI architecture**]
Found **6** of **102,361** searched.

Search within Results



[> Advanced Search](#)

[> Search Help/Tips](#)

Sort by: Title Publication Publication Date Score Binder

Results 1 - 6 of 6 short listing

- 1** Realizing the performance potential of the virtual interface architecture 97%

Evan Speight , Hazim Abdel-Shafi , John K. Bennett
Proceedings of the 13th international conference on Supercomputing May 1999
- 2** An implementation and analysis of the virtual interface architecture 89%

Philip Buonadonna , Andrew Geweke , David Culler
Proceedings of the 1998 ACM/IEEE conference on Supercomputing (CDROM)
November 1998


Rapid developments in networking technology and a rise in clustered computing have driven research studies in high performance communication architectures. In an effort to standardize the work in this area, industry leaders have developed the Virtual Interface Architecture (VIA) specification. This architecture seeks to provide an operating system-independent infrastructure for high-performance user-level networking in a generic environment. This paper evaluates the inherent costs and performanc ...
- 3** Architectural and performance evaluation of GigaNet and Myrinet 89%

interconnects on clusters of small-scale SMP servers
Jenwei Hsieh , Tau Leng , Victor Mashayekhi , Reza Rooholamini
Proceedings of the 2000 ACM/IEEE conference on Supercomputing (CDROM)
November 2000

GigaNet and Myrinet are two of the leading interconnects for clusters of commodity computer systems. Both provide memory-protected user-level network interface and deliver low-latency and high-bandwidth communication to applications. GigaNet is a connection-oriented interconnect based on a hardware implementation of Virtual Interface (VI) Architecture and Asynchronous Transfer Mode (ATM) technologies. Myrinet is a connection-less interconnect which leverages packet switching technol ...
- 4** Using the VI architecture to build distributed, multithreaded runtime systems: a case study 89%

 L. Bougé , J.-F. Méhaut , R. Namyst , L. Prylli
Proceedings of the 2000 ACM symposium on Applied computing 2000 March 2000

5 Fast and flexible application-level networking on exokernel systems 85%


 Gregory R. Ganger , Dawson R. Engler , M. Frans Kaashoek , Héctor M. Briceño , Russell Hunt , Thomas Pinckney

ACM Transactions on Computer Systems (TOCS) February 2002

Volume 20 Issue 1

Application-level networking is a promising software organization for improving performance and functionality for important network services. The Xok/ExOS exokernel system includes application-level support for standard network services, while at the same time allowing application writers to specialize networking services. This paper describes how Xok/ExOS's kernel mechanisms and library operating system organization achieve this flexibility, and retrospectively shares our experiences an ...

6 Queue pair IP: a hybrid architecture for system area networks 82%

 Philip Buonadonna , David Culler

ACM SIGARCH Computer Architecture News , Proceedings of the 29th annual international symposium on Computer architecture May 2002

Volume 30 Issue 2

We propose a SAN architecture called Queue Pair IP (QPIP) that combines the interface from industry proposals for low overhead, high bandwidth networks, e.g. Infiniband, with the well established inter-network protocol suite. We evaluate how effectively the queue pair abstraction enables inter-network protocol offload. We develop a prototype QPIP system that implements basic queue pair operations over a subset of TCP, UDP and IPv6 protocols using a programmable network adapter. We assess this pr ...

Results 1 - 6 of 6 short listing

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2002 ACM, Inc.


[Advanced Search](#) [Preferences](#) [Language Tools](#) [Search Tips](#)

citeseer run-time layer rpc

Google Search

[Web](#) · [Images](#) · [Groups](#) · [Directory](#) · [News](#)

Searched the web for citeseer run-time layer rpc.

Results 1 - 10 of about 992. Search took 0.17 second

Did you mean: [citeseer runtime layer rpc](#)Citations: The Impact of Inexpensive Communication on a Commercial ...

... built a custom marshaling **layer** for DCOM over VIA ... Our work on **RPC runtime** optimization was partly motivated ... much greater impact More about **CiteSeer** Add search ...

citeseer.nj.nec.com/context/970534/564900 - 8k - [Cached](#) - [Similar pages](#)
Citations: A Software Architecture for Zero-Copy **RPC** in Java ...

... applications directly on VIA, bypassing all **runtime** support from ... whose size is determined at **run time** by the ... much greater impact More about **CiteSeer** Add search ...

citeseer.nj.nec.com/context/970532/13506 - 9k - [Cached](#) - [Similar pages](#)
[\[More results from citeseer.nj.nec.com \]](#)
Citations: The Impact of Inexpensive Communication on a Commercial ...

... built a custom marshaling **layer** for DCOM over VIA ... Our work on **RPC runtime** optimization was partly motivated by ... much greater impact More about **CiteSeer.PSU** Add ...

citeseer.ist.psu.edu/context/970534/564900 - 7k - [Cached](#) - [Similar pages](#)
The Impact of Inexpensive Communication on a Commercial **RPC** ...

... leverages the existing DCOM **runtime layer** to support ... Communication on a Commercial **RPC System**," submitted ... <http://citeseer.ist.psu.edu/zimmer98impact.html> More ...

citeseer.ist.psu.edu/zimmer98impact.html - 20k - [Cached](#) - [Similar pages](#)
[\[More results from citeseer.ist.psu.edu \]](#)
[PDF] Microsoft PowerPoint - SoftwareMobileComputing.pptFile Format: PDF/Adobe Acrobat - [View as HTML](#)

... end program P begin ... p10; ... p20; ... end **RPC** proc P1 begin ... environment, however scarce resources resources ♦ ♦ **Run time** reconfiguration is ...

www.cs.rochester.edu/u/murphy/1.pdf - [Similar pages](#)
CIS 630 TERM PAPER

... pool, we can add processors at **run time**; if some ... The RMI **runtime** substitutes a reference to the remote ... Operating System for the 1990s, <http://citeseer.nj.nec.com> ...

www.cirl.uoregon.edu/~iustin/cis630/cis630.html - 56k - [Cached](#) - [Similar pages](#)
PeerTech blogs

... q=grid+computing&submit=Search+Documents&cs=1">**Citeseer** search for ... to implement this hard separation between **runtime** instances ... is there to add a RMI **layer** to PHP ...

peertech.org/blog/feed - 20k - [Cached](#) - [Similar pages](#)
[PDF] Experiments with Multi-Protocol RMI in Java

File Format: PDF/Adobe Acrobat

... add or upgrade proto- col providers at **run-time**); (2) applications ... RMIX-JRMPX, a lightweight **layer** over standard Java RMI ... Available at <http://citeseer.nj.nec.com> ...

portal.acm.org/ft_gateway.cfm?id=583845&type=pdf&dl=portal&dl=ACM&CFID=11111111&CFTOK... - [Similar pages](#)
[PDF] Heterogeneous Access to Service-based Distributed Computing: the ...File Format: PDF/Adobe Acrobat - [View as HTML](#)

... The **runtime** platform consisted of a local network ... available to applications via dynamic, **run-time** discovery ... Available at <http://citeseer.nj.nec.com/nester99more> ...

www.mathcs.emory.edu/dcl/rmix/rmix02perf.pdf - [Similar pages](#)
[PDF] Federation of Web Services 1. Introduction

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... Finally section 5 presents some aspects of the needed infrastructure for the runtime of WS's. ... Currently, this layer includes XML-RPC and SOAP. ...

www.inf.pucpcaldas.br/~neil/publicacoes/WSD2003.pdf - [Similar pages](#)

Did you mean to search for: [citeseer runtime layer rpc](#)

Gooooooooogle ▶

Result Page: 1 2 3 4 5 6 [Next](#)

[Google Search](#)

[Search within results](#)

Dissatisfied with your search results? [Help us improve.](#)

Get the [Google Toolbar](#):



[Google Home](#) - [Advertise with Us](#) - [Business Solutions](#) - [Services & Tools](#) - [Jobs, Press, & Help](#)

©2004 Google

High-Performance Distributed Objects over System Area Networks [\(Make Corrections\)](#)

Alessandro Forin Galen Hunt Li Li Yi-Min Wang Microsoft Research Microsoft...

View or download:

microsoft.com/~ymw...illenniumFalcon.ps

Cached: [PS.gz](#) [PS](#) [PDF](#) [DjVu](#) [Image](#) [Update](#) [Help](#)

NEC ResearchIndex [Home/Search](#)
[Bookmark](#) [Context](#) [Related](#)

From: microsoft.com/~ymwang/vita...vita [\(more\)](#)
[\(Enter author homepages\)](#)

[\(Enter summary\)](#)

Rate this article: 1 2 3 4 5 (best)

[Comment on this article](#)

Abstract: In this paper, we describe an approach to build highperformance, commercial distributed object systems over system area networks (SANs) with user-level networking. The specific platforms we use in this study are the Virtual Interface Architecture (VIA) and Microsoft's Distributed Component Object Model (DCOM). We give a detailed functional and performance analysis of DCOM and apply optimizations at several layers to take full advantage of modern high-speed networks. Our preserve... [\(Update\)](#)

Active bibliography (related documents): [More](#) [All](#)

- 0.5:** Efficient Java RMI for Parallel Programming - Maassen, van Nieuwpoort.. (2000) [\(Correct\)](#)
- 0.3:** DCOM and CORBA Side by Side, Step by Step, and Layer by Layer - September Emerald Chung (1997) [\(Correct\)](#)
- 0.3:** The Following Paper Was Originally Published in the - Seattle Washington August [\(Correct\)](#)

Similar documents based on text: [More](#) [All](#)

- 0.3:** Distributed Component Object Model (DCOM) - Thompson, Exton, Garrett.. (1997) [\(Correct\)](#)
- 0.3:** Performance Evaluation of Distributed Object Platforms.. - Dionisis Adamopoulos.. [\(Correct\)](#)
- 0.2:** Fault-injection Experiments for Distributed Objects - Emerald Chung Woei-Jyh (1999) [\(Correct\)](#)

BibTeX entry: [\(Update\)](#)

```
@inproceedings{ forinhighperformance,
  author = "Alessandro Forin and Galen Hunt and Li Li and Yi-Min Wang",
  title = "High-Performance Distributed Objects over System Area Networks",
  pages = "21--30",
  url = "citeseer.nj.nec.com/244607.html" }
```

Citations (may not include all citations):

- 251 Virtual Memory Mapped Network Interface for the SHRIMP Multi.. (context) - Blumrich - 1994
- 164 Fbufs: A High-bandwidth Cross-domain Transfer Facility - Druschel, Peterson - 1993
- 113 Measuring the Performance of Communication Middleware on Hig.. - Gokhale, Schmidt - 1996
- 92 A Distributed Object Model for the Java System - Wollrath, Riggs et al. - 1996
- 67 Limits to Low-latency Communication on High-speed Networks (context) - Thekkath, Levy - 1993
- 46 U-Net: A User-Level Network Interface for Parallel and Distr.. (context) - von Eicken, Basu et al. - 1995
- 46 Distributed Component Object Model Protocol - DCOM (context) - Brown, Kindel - 1998
- 38 Flick: A flexible, optimizing IDL compiler - Eide - 1997
- 37 Measuring and Optimizing CORBA Latency and Scalability Over .. - Gokhale, Schmidt - 1998
- 17 Fast Messages: Efficient, Portable Communication for Worksta.. (context) - Pakin, Karamcheti et al. - 1997
- 15 The Coign Automatic Distributed Partitioning System - Hunt, Scott - 1999
- 12 Fast RPC on the SHRIMP Virtual Memory Mapped Network Interfa.. - Bilas, Felten - 1997
- 8 Harnessing User-Level Networking Architectures for Distribut.. (context) - Madukkaramukumana, Pu et al. - 1998
- 6 High-Performance Distributed Objects over a System Area Netw.. (context) - Li - 1998
- 3 Fast optimized Sun RPC using automatic program specializatio.. - Muller - 1998
- 2 A Software Architecture for Zero-Copy RPC in Java - Chang, von Eicken - 1998
- 1 The Impact of Inexpensive Communication on a Commercial RPC .. (context) - Zimmer, Chien - 1998

[Online articles have much greater impact](#) [More about CiteSeer](#) [Add search form to your site](#) [Submit documents](#) [Feedback](#) [Latest news](#)

CiteSeer - citeseer.org - [Terms of Service](#) - [Privacy Policy](#) - Copyright © 1997-2002 [NEC Research Institute](#)

L Number	Hits	Search Text	DB	Time stamp
-	2	((("5386566") or ("5724588")).PN.	USPAT	2002/10/09 15:55
-	176	virtual adj interface	USPAT	2002/10/09 13:26
-	2078	(709/310-332).CCLS.	USPAT	2002/10/09 13:18
-	13	(virtual adj interface) and ((709/310-332).CCLS.)	USPAT	2002/10/09 13:23
-	262	dcom	USPAT	2002/10/09 13:23
-	0	(virtual adj interface) and dcom	USPAT	2002/10/09 13:23
-	10	(virtual adj interface) same pointer	USPAT	2002/10/09 13:26
-	12	("5007080" "5062040" "5187790" "5218699" "5307490" "5329619" "5377350" "5430876" "5463625" "5517645" "5526491" "5546584").PN.	USPAT	2002/10/09 15:17
-	33	5724588.URPN.	USPAT	2002/10/09 15:54
-	4	((("6044409") or ("6131126") or ("6189048") or ("6167458")).PN.	USPAT	2002/10/09 17:43
-	0	ep adj "701" adj 205a	USPAT	2002/10/09 17:39
-	2	space adj efficient adj inter adj process adj communication	USPAT	2002/10/09 17:41
-	5	system adj data with reference with multiple with memory with unit	USPAT	2002/10/09 17:42
-	348	pointer with bit with page	USPAT	2002/10/10 15:02
-	21	pointer with bit with page with "same"	USPAT	2002/10/10 15:11
-	33	dcom with rpc	USPAT	2002/10/10 15:11